

(19)



Europäisches Patentamt
European Patent Office
Office européen des brevets



(11) Publication number:

0 616 919 A3

(12)

EUROPEAN PATENT APPLICATION(21) Application number: **94104879.5**(51) Int. Cl.⁵: **B60K 41/10**(22) Date of filing: **28.03.94**

(30) Priority: **26.03.93 JP 68846/93**
28.04.93 JP 103166/93

(43) Date of publication of application:
28.09.94 Bulletin 94/39

(84) Designated Contracting States:
DE FR GB

(88) Date of deferred publication of the search report:
28.12.94 Bulletin 94/52

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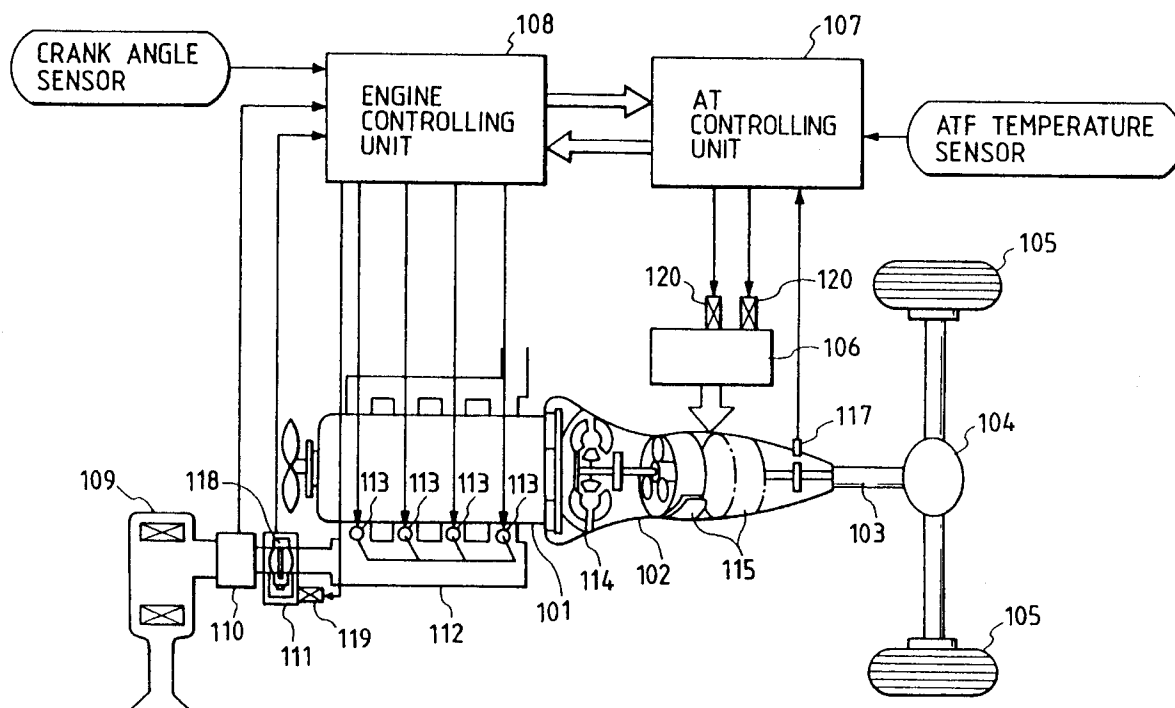
(54) **Drive shaft torque controlling apparatus for use in a vehicle having a power transmission mechanism and method therefor.**

(57) At a torque converter characteristic assuming unit, during non gear shift, gear ratio and an input shaft torque are assumed and also during gear shift, accessory torque is assumed. So as to correct the accessory torque a deviation between pump torque and engine torque is learned and this value is given to the accessory torque, thereby the input shaft torque can be executed and assumed. A drive shaft torque is obtained from a drive shaft torque calculat-

ing unit, a control period of the drive shaft torque is determined, a reference drive shaft torque is determined during torque control period from a reference drive shaft torque setting unit. A deviation between the reference drive shaft torque and the drive shaft torque is obtained from a torque deviation executing unit. An engine controlling unit varies the engine torque by controlling an ignition period so as to decrease substantially zero the deviation.

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FIG. 1





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EUROPEAN SEARCH REPORT

Application Number

DOCUMENTS CONSIDERED TO BE RELEVANT			EP 94104879.5
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int. Cl.5)
A	US - A - 5 063 510 (JÜRGENS et al.) * Abstract *	1-5,7, 17	B 60 K 41/10
A	EP - A - 0 128 471 (MAZDA MOTOR CORP.) * Abstract; claim 1 *	1-5,7, 17	
A	EP - A - 0 323 257 (HONDA GIKEN KOGYO) * Abstract *	1-5,7, 17	
A	GB - A - 2 151 727 (NISSAN MOTOR COMP.) * Abstract *	1-5,7, 17	
			TECHNICAL FIELDS SEARCHED (Int. Cl.5)
			B 60 K
The present search report has been drawn up for all claims			
Place of search VIENNA		Date of completion of the search 20-10-1994	Examiner HENGL
CATEGORY OF CITED DOCUMENTS X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document			